

POWERED SPI LED CONTROLLER 2

All-in-one pixel LED controller with built in Power Supply

Applications

- General illumination
- Decoration illumination
- Events, lounges, clubs
- Scenography
- Theatre
- Light show
- Special effects
- Showcase



Technical specification

Controls over	Art-Net™ (Wired or Wireless), DMX512, Stand-alone, http commands, App, web browser, external triggers, LED Strip Studio protocol (with license)
Operating voltage	86 ~ 264 VAC/47 ~ 63Hz
Self power consumption	5W
Power input connector	IEC C14
Power output / max current	3 variants exist: 5VDC/10A, 12VDC/5A, 24VDC/2.5A
Wired Ethernet port type	RJ-45 connector, 10/100 Mbps, Auto-MDIX
Wireless Ethernet type	2.4Ghz Wi-Fi 802.11 b/g/n, internal antenna
SD Card type	Micro SD Card (FAT32, up to 32GB), push-push
DMXin Channels total	7 in SD-card mode, 3-512 in pixel mode
DMXin port connector type	MALE 3pin XLR by default, 5pin XLR on request
DMXin port type	DMX512
DMXin port protection	Yes, ESD
DMXin isolated	No
DMXout port connector type	FEMALE 3pin XLR by default, 5pin XLR on request
DMXout port type	DMX512 (pass-through) or DMX512 generated by device
Trigger Input Channels total	2
Trigger Input port connector type	4-pin pitch 1.5mm JST ZH compatible
Trigger Input port electrical type	Analog trigger input 0-3.3V with internal 12k pull-ups
Trigger Input port contain power	Yes, output, 3.3V max 50mA
Trigger Input port protection	Yes, ESD

Trigger Input connector pins	GND, Trigger1, Trigger2, +3.3V
LED Output port connector type	4 pole pluggable terminal block pitch 5mm
LED Output port electrical type	Single ended TTL 5V synchronous/asynchronous
LED Output port contain power	Yes, Voltage and max. current depends on device variant
LED Output port protection	Yes, ESD
LED Output connector pins	GND, Clock, Data, +POWER
LED Output communication protocol	SPI: TM, WS, APA and more, check: www.ledstripstudio.com/wiki-category/ic-pixel-led-types/
Device menu	OLED monochrome display 64x128pix, 4x navigation push buttons
WPS/Reset	Push button accessible by paper clip
Status LEDs	Green: Status, Blue: DMX output generated by device
Maximum of RGB/RGBW pixels per Output	Typ. 1024/768* ((*Extra power supply needed if internal PS has lower current rating than needed))
Special features/options	Firmware updatable by user
Works with controller/software	Any Art-Net™ controller/software, Any DMX512 controller, LED Strip Studio (with license)
Operating air temperature	-10°C to 45°C
Storage air temperature	-10°C to 60°C
Relative humidity	5% to 80% non-condensing
Waterproof	No
Ingress protection	IP30
Weight	470g
Dimensions	150.6 x 48.1 x 85.2 mm
Enclosure	Aluminium
Mouting options	Side tabs with holes for screws, cable ties, clamps, safety wire

Default package content

- POWERED SPI LED CONTROLLER 2
- IEC C13 power cable with plug based on destination country
- 4 pole terminal block plug pitch 5mm
- micro SD card
- SD card adapter
- USB card reader



Front View



Top View



Dimensions